

INTERNATIONAL SEARCH REPORT

Intern: I Application No
PCT/GB2004/003116

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B41J2/175 B41J2/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B41J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 152 559 A (KOJIMA MASATOMO) 28 November 2000 (2000-11-28)	1,3,8,9
Y	column 2, line 10 - line 62 figure 1	13
X	US 2002/180827 A1 (HIROTA ATSUSHI) 5 December 2002 (2002-12-05) the whole document	1,3,8,9
X	US 5 561 448 A (HIROSAWA TOSHIKI ET AL) 1 October 1996 (1996-10-01) column 1, line 37 - line 51 figure 1	1-3,8,9
Y	WO 03/022586 A (MANNING HOWARD JOHN ; PHILIPS CHRISTOPHER DAVID (GB); XAAR TECHNOLOGY) 20 March 2003 (2003-03-20) the whole document	13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

14 FEB. 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/058307 A1 (EGUCHI TAKEO ET AL) 27 March 2003 (2003-03-27) paragraphs '0119! - '0127!; figure 10 -----	1
A	EP 0 965 452 A (CANON KK) 22 December 1999 (1999-12-22) paragraphs '0035! - '0037! figure 4 -----	1
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 09, 4 September 2002 (2002-09-04) & JP 2002 144576 A (CANON INC), 21 May 2002 (2002-05-21) abstract -----	1
X	EP 0 924 077 A (LEXMARK INTERNATIONAL, INC) 23 June 1999 (1999-06-23) paragraphs '0017! - '0021! figures 3,4 -----	14,25
X	EP 0 737 580 A (CANON KABUSHIKI KAISHA) 16 October 1996 (1996-10-16) page 12, line 46 - page 13, line 40 figures 18,19 -----	21
A	US 5 818 485 A (REZANKA ET AL) 6 October 1998 (1998-10-06) the whole document -----	21

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13

Droplet deposition apparatus with a porous element between the ink chamber and the inlet or outlet manifolds

2. claims: 14-29

Droplet deposition apparatus with a net flow in the array direction in the inlet manifold and no net flow in the array direction in the plenum chamber.

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Information on patent family members

Internat

Application No

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